

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	186	photovoltaic\$2 and nanotube\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/26 10:40
S2	305	nanoimprint\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/17 15:47
S3	14178	photovoltaic\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/17 15:49
S5	2	polybutylthiophene	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/17 15:50
S6	0	poly adj butylthiophene	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/17 15:49
S7	0	poly adj butyl adj thiophene	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/17 15:49
S8	2	polybutylthiophene polydibutylthiophene	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/17 15:50
S9	1589	(977/Dig.1).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/18 09:07
S10	423	S9 and (nanotube\$2 photovoltaic\$2)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/18 09:11
S11	28	S9 and photovoltaic\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/04 16:44
S12	395	S10 not S11	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/18 09:53
S13	18	("4064566"   "4330283"   "4693986"   "4963151"   "5021063"   "5030238"   "5049157"   "5108452"   "5180394"   "5266609"   "5334625"   "5336699"   "5686182"   "6066272"   "6099960"   "6251522"   "6284832"   "6340822").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/18 11:15
S14	1	("5171373").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/18 11:15
S15	16	("5171373").URPN.	USPAT	OR	OFF	2005/08/18 11:20

S16	2178	(136/260,264,263,256,250).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/02 16:40
S17	1337	S16 and (press\$4 imprint\$4 compress\$5 gap polymeriz\$7)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/07 17:20
S18	1164	S16 and (press\$4 imprint\$4 compress\$5 polymeriz\$7)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/07 18:09
S19	558	S16 and gap	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/07 17:20
S20	41	S16 and gap with fill\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/07 17:20
S21	3	S16 and (imprint\$4 and polymeriz\$5)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/07 18:12
S22	171	S16 and (polymeriz\$7)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/07 18:29
S23	16	S16 and (polymeriz\$7 same dye)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/07 18:29
S24	327	(136/263).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/02 16:36
S25	224	S24 and dye\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/02 16:37
S26	78	S24 and dye\$3 and polymeriz\$8	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/02 16:37
S27	2224	(136/260,264,263,256,250).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/02 16:41
S28	181	S27 and polymeriz\$8	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/02 16:59
S29	0	10/699442	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/02 16:59
S30	0	10/699,442	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/02 17:04
S31	0	surface adj imprinted adj films	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/02 17:53

S32	10	S27 and imprint\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/02 17:53
S33	0	conformal adj gap same dye	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/04 15:30
S34	0	conformal adj gap and dye	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/04 15:30
S35	15	conformal adj gap	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/04 15:31
S36	3465	(thiophene polythiophene) and gap	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/04 15:31
S37	132	(thiophene polythiophene) same gap	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/04 15:31
S38	17	(thiophene polythiophene) same gap same polymeriz\$8	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/04 15:36
S39	1	("5,403,451").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/04 15:34
S40	89	(thiophene polythiophene) same dye\$4 same polymeriz\$8	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/04 16:24
S41	12	(thiophene polythiophene) same shrink\$5 same polymeriz\$8	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/04 16:25
S42	4	(thiophene polythiophene) and photovoltaic\$2 and nanoimprint\$8 adj lithography	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/04 16:44
S44	2224	(136/260,264,263,256,250).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/27 16:44
S45	27	photovoltaic\$2 and electrophoretic with deposit\$8	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/26 10:44
S46	3	photovoltaic\$2 and electrophoretic with deposit\$8 and sol with gel\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/26 10:46
S47	28	photovoltaic\$2 and electrophore\$9 with deposit\$8 and nano\$9	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/26 10:57
S48	1	polydibutylthiophene	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/26 10:57

S49	2537	butyl with thiophene	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/26 10:57
S50	5	butyl near5 thiophene and photovoltaic\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/26 10:58
S51	17	poly with butyl near5 thiophene	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/26 10:59
S52	0	"poly(3-butyl thiophene)" and photovoltaic\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/26 11:00
S53	8	(poly with butyl with thiophene) and photovoltaic\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/26 11:08
S54	36	(butyl with thiophene) and photovoltaic\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/26 11:30
S55	5	(butyl near3 thiophene) and photovoltaic\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/26 11:08
S56	29	PBT and photovoltaic\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/26 11:34
S57	4	PBT and photovoltaic\$2 and oxadiazole	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/26 13:23
S58	22	"6517995"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/26 12:32
S59	0	S58 and (solar adj cell\$2 photovoltaic\$2)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/26 12:32
S60	151	photovoltaic\$2 and (thiophene polythiophene) same monomer\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/26 13:36
S61	27	photovoltaic\$2 and (thiophene polythiophene) same monomer\$2 and CdSe	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/26 13:37
S62	53	photovoltaic\$2 and (thiophene polythiophene) and monomer\$2 and CdSe	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/26 13:37
S63	404	pattern\$3 with sol adj gel\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/27 08:05
S64	5	S63 and photovoltaic\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/27 08:02
S65	6	("4874462").URPN.	USPAT	OR	OFF	2006/01/27 08:08

S66	100	(imprint\$5 nanoimprint\$5) same sol adj gel\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/27 08:13
S67	727	(imprint\$5 nanoimprint\$5) same monomer\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/27 08:13
S68	7	S67 and photovoltaic\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/27 08:20
S69	1094	monomer\$2 and photovoltaic\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/27 08:20
S70	794	monomer\$2 and photovoltaic\$2 and polymeriz\$9	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/27 08:20
S71	218	S70 and (imprint\$8 nanoimprint\$8 nano adj imprint\$8 emboss\$8 screen adj print\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/27 08:21
S72	200	(pyrrole\$2 aniline\$2 oxadiazole\$2) same monomer\$3 and sol adj gel\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/27 16:07
S73	18	S72 and (solar adj cell\$2 photovoltaic\$2)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/27 15:25
S74	1018	thiophene\$2 with polymeriz\$9	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/27 15:25
S75	85	S74 and photovoltaic\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/27 15:25
S76	0	S74 same photovoltaic\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/27 15:25
S77	5830	(pyrrole\$2 aniline\$2 oxadiazole\$2) same monomer\$3 and polymeriz\$8	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/27 16:02
S78	3711	(pyrrole\$2 aniline\$2 oxadiazole\$2) same monomer\$3 same polymeriz\$8	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/27 16:02
S79	99	S78 and photovoltaic\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/27 16:02
S80	21	(pyrrole\$2 aniline\$2 oxadiazole\$2) same monomer\$3 same (nanoimprint\$4 nano adj imprint\$4 imprint\$4 emboss\$9)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/27 16:10
S81	180	(pyrrole\$2 aniline\$2 oxadiazole\$2) same (nanoimprint\$4 nano adj imprint\$4 imprint\$4 emboss\$9)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/27 16:10

S82	83	(pyrrole\$2 aniline\$2 oxadiazole\$2) same (nanoimprint\$4 nano adj imprint\$4 imprint\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/27 16:10
S83	3567	(pyrrole\$2 aniline\$2 oxadiazole\$2) same (nanoimprint\$4 nano adj imprint\$4 imprint\$4 print\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/27 16:11
S84	16	(pyrrole\$2 aniline\$2 oxadiazole\$2) same (nanoimprint\$4 nano adj imprint\$4 imprint\$4) same polymeriz\$8	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/27 16:11
S85	9344	(pyrrole\$2 aniline\$2 oxadiazole\$2) same polymeriz\$8	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/27 16:11
S86	3301	(pyrrole\$2 aniline\$2 oxadiazole\$2) with polymeriz\$8	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/27 16:11
S87	2	(pyrrole\$2 aniline\$2 oxadiazole\$2) with polymeriz\$8 same stamp\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/27 17:47
S88	10	(pyrrole\$2 aniline\$2 oxadiazole\$2) with polymeriz\$8 same imprint\$6	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/27 16:17
S89	7	(pyrrole\$2 aniline\$2 oxadiazole\$2) with sol adj gel\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/27 16:29
S90	204	silicon with substrate\$2 and (thiophene\$2 polythiophene\$2) and photovoltaic\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/27 16:29
S91	967	(136/260,264,263,250).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/27 16:45
S92	2651	(264/255).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/27 16:45
S93	0	S92 and photovoltaic\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/27 16:45
S94	0	(pyrrole\$2 aniline\$2 oxadiazole\$2) same sol adj gel\$4 same (titanium adj oxide\$2 titanium adj dioxide\$2 titania)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/27 17:47

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*Polymer*, Volume 46, Issue 17, 8 August 2005, Pages 6715-6718  
Luca Valentini and Josè M. Kenny  
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2.  **04/02683 Photovoltaic cells based on dye-sensitisation of single-wall carbon nanotubes in a polymer matrix: Kymakis, E. and Amaratunga, G. A. J.** *Solar Energy Materials and Solar Cells*, 2003, 80, (4), 465-472 • ABSTRACT  
*Fuel and Energy Abstracts*, Volume 45, Issue 6, November 2004, Page 382
3.  **Polymers containing fullerene or carbon nanotube structures** • REVIEW ARTICLE  
*Progress in Polymer Science*, Volume 29, Issue 11, November 2004, Pages 1079-1141  
Changchun Wang, Zhi-Xin Guo, Shoukuan Fu, Wei Wu and Daoben Zhu  
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4.  **Photovoltaic cells based on dye-sensitisation of single-wall carbon nanotubes in a polymer matrix** • ARTICLE  
*Solar Energy Materials and Solar Cells*, Volume 80, Issue 4, December 2003, Pages 465-472  
E. Kymakis and G. A. J. Amaratunga  
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(148 K\)](#)
5.  **Single wall carbon nanotube doping improves performance** • NEWS  
*Photovoltaics Bulletin*, Volume 2002, Issue 3, March 2002, Page 4
6.  **Electronic phenomena in chiral carbon nanotubes in the presence of a magnetic field** • ARTICLE  
*Physica E: Low-dimensional Systems and Nanostructures*, Volume 12, Issues 1-4, January 2002, Pages 741-744  
O. V. Kibis  
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1.  **The effect of side chains on the performance of solar cells fabricated from poly[2-methoxy-5-(2'-ethylhexoxy)-1,4-phenylene vinylene] and C<sub>60</sub> dicarboxylate** • ARTICLE  
*Thin Solid Films, Volume 489, Issues 1-2, 1 October 2005, Pages 251-256*  
Liping Zheng, Qingmei Zhou, Xianyu Deng, Wang Fei, Ning Bin, Zhi-Xin Guo, Gang Yu and Yong Cao  
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2.  **The role of molecular architecture and layer composition on the properties and performance of CuPc-C<sub>60</sub> photovoltaic devices** • ARTICLE  
*Materials Science and Engineering: C, In Press, Corrected Proof, Available online 10 August 2005,*  
S.M. Schultes, P. Sullivan, S. Heutz, B.M. Sanderson and T.S. Jones  
[Abstract](#)
3.  **Design, synthesis and photovoltaic properties of [60]fullerene based molecular materials** • ARTICLE  
*Materials Science and Engineering: C, In Press, Corrected Proof, Available online 2 August 2005,*  
José L. Segura, Francesco Giacalone, Rafael Gómez, Nazario Martín, Dirk M. Guldi, Chuping Luo, Angela Swartz, Ingo Riedel, Dana Chirvase, Jurgen Parisi *et al.*  
[Abstract](#)
4.  **Perylene-3,4:9,10-bis(dicarboximide) linked to [60]fullerene as a light-harvesting antenna** • SHORT COMMUNICATION  
*Tetrahedron Letters, Volume 46, Issue 27, 4 July 2005, Pages 4599-4603*  
Jérôme Baffreau, Lara Perrin, Stéphanie Leroy-Lhez and Piétrick Hudhomme  
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5.  **Photoelectric investigations of charge-transferring metal-doped [60] fullerenes** • ARTICLE  
*Solar Energy Materials and Solar Cells, Volume 87, Issues 1-4, May 2005, Pages 5-10*  
Xiu Liu, Yajie Jia, Lijun Guo and Gongming Wang  
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6.  **Lifetimes of organic photovoltaics: photochemistry, atmosphere effects and barrier layers in ITO-MEHPPV:PCBM-aluminium devices** • ARTICLE  
*Solar Energy Materials and Solar Cells, Volume 86, Issue 4, 1 April 2005, Pages 499-516*  
Frederik C. Krebs, Jon E. Carlé, Nicolaj Cruys-Bagger, Morten Andersen, Mathilde R. Lilliedal, Mark A. Hammond and Søren Hvidt  
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7.  **LESR study on PPV-PPE/PCBM composites for organic photovoltaics** • ARTICLE  
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J. N. Hart, R. Cervini, Y. -B. Cheng, G. P. Simon and L. Spiccia

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Luke B. Roberson, Mark A. Poggi, Janusz Kowalik, Greg P. Smestad, Lawrence A. Bottomley and Laren

M. Tolbert

[Abstract](#)3.  **Polypyrrole/titania hybrids: synthetic variation and test for the photovoltaic materials • ARTICLE***Solar Energy Materials and Solar Cells, Volume 83, Issues 2-3, 15 June 2004, Pages 311-321*

Jeong-Don Kwon, Pil-Ho Kim, Joong-Han Keum and Jeong Soo Kim

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C. Ballif, J. Dicker, D. Borchert and T. Hofmann

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Yosiki Maehara, Shinobu Takenaka, Kenichi Shimizu, Masato Yoshikawa and Seimei Shiratori

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Seung-Chul Lee, Jae-Ho Lee, Tae-Sung Oh and Young-Hwan Kim

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Christian D. Grant, Adam M. Schwartzberg, Greg P. Smestad, Janusz Kowalik, Laren M. Tolbert and Jin

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2.  **Design and analysis of the single-step nanoimprinting lithography equipment for sub-100 nm linewidth** • ARTICLE  
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JaeJong Lee, Kee-Bong Choi and Gee-Hong Kim  
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3.  **Optimization and experimentation of nanoimprint lithography based on FIB fabricated stamp** • ARTICLE  
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4.  **Micromagnetic studies of iron microbars prepared by nanoimprint lithography and electrodeposition** • ARTICLE  
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5.  **Wafer deformation in ultraviolet-nanoimprint lithography using an element-wise patterned stamp** • ARTICLE  
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6.  **NIL—a low-cost and high-throughput MEMS fabrication method compatible with IC manufacturing technology** • ARTICLE  
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7.  **Optically variable imaging using nanoimprint technique** • ARTICLE  
*Applied Surface Science, Volume 245, Issues 1-4, 30 May 2005, Pages 234-239*  
V. Grigaliūnas, D. Jucius, S. Tamulevičius, A. Guobienė and V. Kopustinskas  
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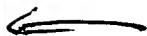
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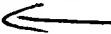
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ADA231494; Year : 1991;
5. **Air Force Research Laboratory (AFRL). Manager of the Basic Research Investment for the Air Force Research Laboratory. Research Highlights, Jul/Aug 99. Rept. for Jul-Aug 99.**  
ADA367508; Year : 1999;
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ADA402061; Year : 2002;
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ADA411296; Year : 2002;
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